

PATENT APPLICATION
Mo-5158 D2
LeA 32,122-D2


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF)
)
ANDREW PLANT ET AL)
)
SERIAL NUMBER: TO BE ASSIGNED)
)
FILED: HEREWITH)
)
TITLE: CYCLIC IMINES AS PESTICIDES)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231
Sir:

Prior to the examination of the subject Divisional Application, Applicants respectfully request entry of the following amendments:

"Express Mail" mailing label number 64671475536US
Date of Deposit December 19, 2001
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231
Donna J. Veatch
(Name of person mailing paper or fee)

Signature of person mailing paper or fee

IN THE TITLE:

On page 1, line 3, please amend the title as follows:

--CYCLIC IMINES AS PESTICIDES--.

IN THE SPECIFICATION:

After the title and before the first line of the Specification, please insert the following:

--This is a divisional application of pending U.S. Patent Application Serial No. 09/659,041 filed September 9, 2000, which is in turn a divisional application of U.S. Patent Application Serial Number 09/297,964, filed May 11, 1999, now U.S. Patent No. 6,274,613 B1 issued August 14, 2001, which U.S. patent issued on a continued prosecution application filed under 37 C.F.R. 1.53(d)--

On page 1, between lines 3 and 4, please insert --TECHNICAL FIELD OF THE INVENTION--.

On page 1, between lines 5 and 6, please insert --BACKGROUND OF THE INVENTION--.

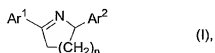
On page 1, between lines 13 and 14, please insert --DETAILED DESCRIPTION OF THE INVENTION--.

IN THE CLAIMS:

Please cancel Claims 10 and 13.

Please amend Claims 1 through 9, 11 and 12 as follows:

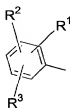
1. (Once Amended) A compound of the formula (I)



in which

n represents 2 or 3

Ar¹ represents the radical



and

Ar² represents the radical



in which

m represents 0, 1, 2, 3 or 4,

R¹ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)_oR⁶ or -NR⁷R⁸,

R² and R³ independently of one another each represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)_oR⁶ or -NR⁷R⁸,

R⁴ represents halogen, cyano, trialkylsilyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -S(O)_nR⁶,

o represents 0, 1 or 2,

R⁶ represents alkyl or halogenoalkyl,

R⁷ and R⁸ independently of one another each represent hydrogen or alkyl, or together represent alkylene,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or di-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W²,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

Z represents oxygen or sulphur,

- D represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenylalkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents $-\text{CO}-\text{R}^{12}$, $-\text{CO}-\text{NR}^{13}\text{R}^{14}$, or represents the grouping



- Z and D together represent optionally, nitro-, halogen-, alkyl, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1 ,
- E represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W^1 or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W^2 , or represents the grouping



R¹² represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

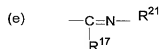
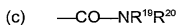
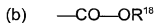
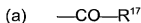
R¹³ represents hydrogen or alkyl,

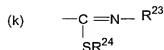
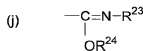
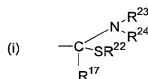
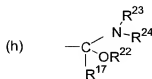
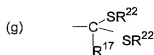
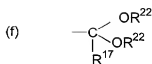
R¹⁴ represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below





R¹⁷ represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W³,

R¹⁸ represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W³,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen,

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent alkyl,

W¹ represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, alkylcarbonyl, alkoxy carbonyl, pentafluorothio or -S(O)₆R⁶,

W² represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxy carbonyl, pentafluorothio or -S(O)₆R⁶ or -C(R¹⁷)=N-R²¹,

W³ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino -S(O)₆R⁶, -COOR²⁵ or -CONR²⁶R²⁷,

R²⁵ represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and

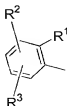
W⁴ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or -S(O)₆R⁶.

2. (Once Amended) The compound of Claim 1

in which

n represents 2 or 3,

Ar¹ represents the radical



Ar² represents the radical



m represents 0, 1, 2 or 3,

R¹ represents halogen, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl or C₁-C₆-halogenoalkoxy, represents C₁-C₆-alkoxy-C₁-C₆-alkyl, -S(O)₆R⁸ or -NR⁷R⁸,

R² and R³ independently of one another each represent hydrogen, halogen, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl or C₁-C₆-halogenoalkoxy, represent C₁-C₆-alkoxy-C₁-C₆-alkyl, -S(O)₆R⁸ or -NR⁷R⁸,

R⁴ represents a substituent in meta- or paraposition from the group consisting of halogen, cyano, tri-(C₁-C₆-alkyl)-silyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, C₁-C₁₆-alkyl, C₁-C₁₆-alkoxy, C₁-C₆-halogenoalkyl, C₁-C₆-halogenoalkoxy, C₁-C₈-alkoxy-C₁-C₆-alkoxy or -S(O)₀R⁶,

o represents 0, 1 or 2,

R⁶ represents optionally fluorine- or chlorine-substituted C₁-C₆-alkyl,

R⁷ and R⁸ independently of one another each represent hydrogen or C₁-C₆-alkyl, [such as, for example, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl] or together represent C₂-C₅-alkylene, [such as, for example, -(CH₂)₂- or -(CH₂)₃-]

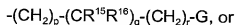
R¹⁰ and R¹¹ independently of one another each represent hydrogen, C₁-C₆-alkyl, C₁-C₆-halogenoalkyl or represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W¹,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or di-C₁-C₄-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to tetrasubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, including 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2

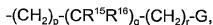
sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to tetrasubstituted by radicals from the list W²,

- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C₃-C₈-cycloalkyl or C₃-C₈-cycloalkyl-C₁-C₆-alkyl, represents respectively optionally halogen- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl or C₅-C₈-cycloalkenyl-C₁-C₄-alkyl, represents respectively optionally nitro-, halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl-C₁-C₆-alkyl, naphthyl-C₁-C₆-alkyl, tetrahydronaphthyl-C₁-C₆-alkyl or 5- or 6-membered heteraryl-C₁-C₆-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R¹², -CO-NR¹³R¹⁴, or represents the grouping



- Z and D together represent optionally nitro-, halogen-, C₁-C₆-alkyl, C₁-C₈-alkoxy, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenalkoxy-substituted phenoxy-C₁-C₄-alkyl,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- E represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-,

halogenophenyl- or halogenostyryl-substituted C₃-C₈-cycloalkyl, represents optionally halogen- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W², or represents the grouping



R¹² represents C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₂-C₁₂-alkenyl, C₂-C₁₂-alkenyloxy, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl, C₃-C₈-cycloalkyloxy or C₃-C₈-cycloalkyl-C₁-C₆-alkyloxy or represents phenyl or naphthyl, each of which is optionally mono- to tetrasubstituted by nitro, halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,

R¹³ represents hydrogen or C₁-C₁₂-alkyl,

R¹⁴ represents C₁-C₁₂-alkyl, C₁-C₁₂-halogenoalkyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl or C₃-C₈-cycloalkyl-C₁-C₆-alkyl, or represents phenyl or phenyl-C₆-alkyl which is in each case optionally mono- to tetrasubstituted by halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,

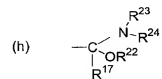
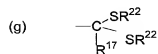
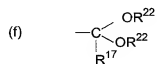
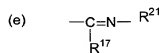
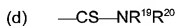
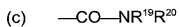
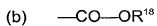
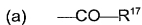
p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

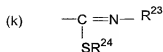
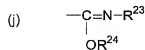
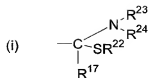
R¹⁵ and R¹⁶ independently of one another each represent hydrogen or C₁-C₄-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of

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nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by halogen, C₁-C₄-alkyl or C₁-C₄-halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:





R^{17} represents hydrogen, $\text{C}_1\text{-C}_6\text{-alkyl}$, $\text{C}_2\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_2\text{-C}_6\text{-halogenoalkenyl}$, optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$, or represents phenyl which is optionally mono- to pentasubstituted by $\text{C}_1\text{-C}_4\text{-alkylcarbonylamino}$, $\text{C}_1\text{-C}_4\text{-alkylcarbonyl-C}_1\text{-C}_4\text{-alkylamino}$ and/or radicals from the list W^3 ,

R^{18} represents hydrogen, $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_2\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_2\text{-C}_6\text{-halogenoalkenyl}$, respectively optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$, or $\text{C}_3\text{-C}_6\text{-cycloalkyl-C}_1\text{-C}_4\text{-alkyl}$ or represents $\text{C}_6\text{-C}_{10}\text{-aryl-C}_1\text{-C}_4\text{-alkyl}$ which is optionally mono- to tetrasubstituted by radicals from the list W^3 ,

R^{19} and R^{20} independently of one another each represent hydrogen, $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_3\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_3\text{-C}_6\text{-halogenoalkenyl}$, $\text{C}_1\text{-C}_4\text{-alkoxy}$, respectively optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$ or $\text{C}_3\text{-C}_6\text{-cycloalkyl-C}_1\text{-C}_4\text{-alkyl}$, represent phenyl or phenyl- $\text{C}_1\text{-C}_4\text{-alkyl}$, each of which is optionally mono- to pentasubstituted by radicals from the list W^3 , represent $-\text{OR}^{18}$ or $-\text{NR}^{17}\text{R}^{18}$ or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen,

R^{21} represents $-\text{OR}^{18}$, $-\text{NR}^{17}\text{R}^{18}$ or $-\text{N}(\text{R}^{17})\text{-COOR}^{18}$,

R^{22} , R^{23} and R^{24} independently of one another each represent C_1 - C_6 -alkyl,

W^1 represents hydrogen, halogen, cyano, formyl, nitro, C_1 - C_6 -alkyl, tri- C_1 - C_4 -alkylsilyl, C_1 - C_{16} -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, C_2 - C_6 -halogenoalkenyloxy, C_1 - C_6 -alkylcarbonyl, C_1 - C_{16} -alkoxycarbonyl, pentafluorothio or $-S(O)_6R^6$,

W^2 represents halogen, cyano, formyl, nitro, C_1 - C_6 -alkyl, tri- C_1 - C_4 -alkylsilyl, C_1 - C_{16} -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, C_1 - C_6 -alkylcarbonyl, C_1 - C_{16} -alkoxycarbonyl, pentafluorothio, $-S(O)_6R^6$ or $-C(R^{17})=N-R^{21}$,

W^3 represents halogen, cyano, nitro, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -halogenoalkyl, C_1 - C_4 -halogenoalkoxy, di- C_1 - C_4 -alkylamino, $-S(O)_6R^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, C_1 - C_4 -alkyl, C_1 - C_4 -halogenoalkyl, optionally halogen-, C_1 - C_4 -alkyl- or C_1 - C_4 -halogenoalkyl-substituted C_3 - C_7 -cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W^4 ,

R^{26} and R^{27} independently of one another each represent hydrogen, C_1 - C_4 -alkyl, C_3 - C_6 -alkenyl, C_1 - C_4 -halogenoalkyl, C_3 - C_6 -halogenoalkenyl, C_1 - C_4 -alkoxy, respectively optionally halogen-, C_1 - C_4 -alkyl- or C_1 - C_4 -halogenoalkyl-substituted C_3 - C_6 -cycloalkyl or C_3 - C_6 -cycloalkyl- C_1 - C_4 -alkyl or represent phenyl or phenyl- C_1 - C_4 -alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^4 , represent $-OR^{22}$ or $-NR^{23}R^{24}$, or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen, and

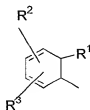
W^4 represents halogen, cyano, nitro, C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, di- C_1 - C_4 -alkylamino, C_1 - C_6 -alkoxycarbonyl, di- C_1 - C_6 -alkylaminocarbonyl or $-S(O)_6R^6$.

3. (Once Amended) The compound of Claim 1

in which

n represents 2,

Ar¹ represents the radical



Ar² represents the radical



m represents 0, 1 or 2,

R¹ represents fluorine, chlorine, bromine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represents C₁-C₆-alkoxy-C₁-C₆-alkyl or -S(O)₀R⁶,

R² and R³ independently of one another each represent hydrogen, fluorine, chlorine, bromine, iodine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represent C₁-C₆-alkoxy-C₁-C₆-alkyl or -S(O)₀R⁵,

R⁴ represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, tri-(C₁-C₄-alkyl)-silyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, nitro, C₁-C₁₆-alkyl, C₁-C₁₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represents C₁-C₈-alkoxy-C₁-C₈-alkoxy, or -S(O)₀R⁶,

o represents 0, 1 or 2,

R⁶ represents C₁-C₄-alkyl or respectively fluorine- or chlorine-substituted methyl or ethyl,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, C₁-C₆-alkyl, fluorine- or chlorine-substituted C₁-C₆-alkyl or represent phenyl or benzyl, each of which is optionally mono- or disubstituted by radicals from the list W¹,

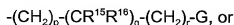
X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or di-C₁-C₄-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to trisubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, which includes 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to trisubstituted by radicals from the list W²,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

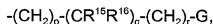
Z represents oxygen or sulphur,

- D represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₄-alkenyl, represents C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₂-C₄-alkenyl, fluorine- or chlorine-substituted C₂-C₄-alkenyl, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl, represents respectively optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted C₅-C₆-cycloalkenyl or C₅-C₆-cycloalkenyl-C₁-C₄-alkyl, represents phenyl-C₁-C₄-alkyl, naphthyl-C₁-C₄-alkyl, tetrahydronaphthyl-C₁-C₆-alkyl or 5- or 6-membered hetaryl-C₁-C₄-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, each of these radicals being optionally substituted by nitro, fluorine, chlorine, bromine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents -CO-R¹², -CO-NR¹³R¹⁴, or the grouping



- Z and D together represent phenoxy-C-C₃-alkyl which is optionally substituted by nitro, fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, or respectively fluorine, or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- E represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₄-alkenyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₂-C₄-alkenyl, fluorine- or chlorine-substituted C₂-C₄-alkenyl, phenyl, styryl or respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl, represents optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted C₅-C₆-

cycloalkenyl, represents phenyl which is optionally mono- to trisubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- or disubstituted by radicals from the list W², or represents the grouping



- R¹² represents C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkenyloxy, represents C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyloxy or C₃-C₆-cycloalkyl-C₁-C₂-alkyloxy, each of which is optionally substituted by fluorine, chlorine, C₁-C₃-alkyl, or respectively fluorine- or chlorine-substituted C₁-C₂-alkyl or C₂-C₃-alkenyl, or represents phenyl which is optionally mono- or disubstituted by fluorine, chlorine, bromine, iodine, C₁-C₄-alkyl, C₁-C₄-alkoxy or respectively fluorine- or chlorine-substituted, C₁-C₃-alkyl or C₁-C₄-alkoxy,
- R¹³ represents hydrogen or C₁-C₄-alkyl,
- R¹⁴ represents C₁-C₄-alkyl, or represents phenyl or benzyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, bromine, C₁-C₄-alkyl or respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or C₁-C₄-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:

- (a) —CO—R^{17}
- (b) —CO—OR^{18}
- (c) $\text{—CO—NR}^{19}\text{R}^{20}$
- (d) $\text{—CS—NR}^{19}\text{R}^{20}$
- (e) $\begin{array}{c} \text{—C=N—R}^{21} \\ | \\ \text{R}^{17} \end{array}$
- (f) $\begin{array}{c} \text{—C—OR}^{22} \\ | \quad \diagup \\ \text{R}^{17} \quad \text{OR}^{22} \end{array}$
- (g) $\begin{array}{c} \text{—C—SR}^{22} \\ | \quad \diagup \\ \text{R}^{17} \quad \text{SR}^{22} \end{array}$
- (h) $\begin{array}{c} \text{—C—N—R}^{23} \\ | \quad \diagup \quad \diagup \\ \text{R}^{17} \quad \text{OR}^{22} \quad \text{R}^{24} \end{array}$
- (i) $\begin{array}{c} \text{—C—N—R}^{23} \\ | \quad \diagup \quad \diagup \\ \text{R}^{17} \quad \text{SR}^{22} \quad \text{R}^{24} \end{array}$
- (j) $\begin{array}{c} \text{—C=N—R}^{23} \\ | \\ \text{OR}^{24} \end{array}$
- (k) $\begin{array}{c} \text{—C=N—R}^{23} \\ | \\ \text{SR}^{24} \end{array}$

- R¹⁷ represents hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₆-alkenyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl which is optionally mono- to trisubstituted by C₁-C₄-alkyl/carbonylamino, C₁-C₄-alkylcarbonyl-C₁-C₄-alkylamino and/or radicals from the list W³,
- R¹⁸ represents hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represents C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl-C₁-C₄-alkyl or naphthyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W³,
- R¹⁹ and R²⁰ independently of one another each represent hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represent C₁-C₄-alkoxy, represent C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent -(CH₂)₆-, -(CH₂)₆- or -(CH₂)₂-O-(CH₂)₂-,
- R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,
- R²², R²³ and R²⁴ independently of one another each represent C₁-C₄-alkyl,
- W¹ represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, formyl, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxycarbonyl or -S(O)₆R⁶,

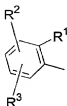
- W² represents fluorine, chlorine, bromine, cyano, formyl, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxycarbonyl or -S(O)₀R⁸ or -C(R¹⁷)=N-R²¹,
- W³ represents fluorine, chlorine, bromine, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents di-C₁-C₄-alkylamino, -S(O)₀R⁶, -COOR²⁵ or -CONR²⁶R²⁷,
- R²⁵ represents hydrogen, C₁-C₄-alkyl, fluorine- or chlorine-substituted C₁-C₄-alkyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl which is optionally mono- to trisubstituted by radicals from the list W⁴,
- R²⁶ and R²⁷ independently of one another each represent hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represent C₁-C₄-alkoxy, represent C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent -(CH₂)₅-, -(CH₂)₆- or -(CH₂)₂-O-(CH₂)₂-, and
- W⁴ represents fluorine, chlorine, bromine, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, di-C₁-C₄-alkylamino, C₁-C₄-alkoxycarbonyl, di-C₁-C₆-alkylaminocarbonyl or -S(O)₀R⁶.

4. (Once Amended) The compound of Claim 1

in which

n represents 2,

Ar¹ represents the radical



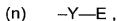
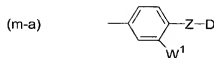
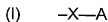
Ar² represents the radical



R¹ represents fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, -propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

R² and R³ independently of one another each represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

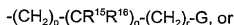
R⁴ represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, -CO-NR¹⁰R¹¹, tetrahydropyranlyl or one of the groupings below



R⁵ represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, trifluoromethyl, difluoromethoxy, trifluoromethoxy or trifluoromethylthio,

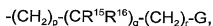
- o represents 0 or 2,
- R⁶ represents methyl, ethyl, n-propyl, isopropyl, difluoromethyl or trifluoromethyl,
- R¹⁰ and R¹¹ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl or represent phenyl or benzyl, each of which is optionally monosubstituted by a radical from the list W¹,
- X represents a direct bond, oxygen, sulphur, carbonyl, -CH₂-, -(CH₂)₂-, -CH=CH- (E or Z), -C C-, -CH₂O-, -(CH₂)₂O-, -CH(CH₃)O-, -OCH₂-, -O(CH₂)₂-, -SCH₂-, -S(CH₂)₂-, -SCH(CH₃)-, C₁-C₄-alkylenedioxy, [in particular -OCH₂O-, -O(CH₂)₂O- or -OCH(CH₃)O-]
- A represents phenyl which is optionally mono- or disubstituted by radicals from the list W¹ or represents furyl, benzofuryl, thienyl, benzothienyl, oxazolyl, benzoxazolyl, thiazolyl, benzthiazolyl, pyrrolyl, pyridyl, pyrimidyl, 1,3,5-triazinyl, quinoliny, isoquinoliny, indolyl, purinyl, benzodioxolyl, indanyl, benzodioxanyl or chromanyl, each of which is optionally mono- or disubstituted by radicals from the list W²,
- Z represents oxygen or sulphur,
- D represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, -CF₃-, -CHF₂-, -CClF₂-, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂-, -CF₂CCl₃-, -CH₂CF₃-, -CF₂CHFCF₃-, -CH₂CF₂CHF₂-, -CH₂CF₂CF₃-, represents cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, -CH=CCl₂, phenyl, styryl, respectively

fluorine-, chlorine- or bromine-substituted phenyl or 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl, cyclohexenyl, cyclohexenylmethyl or cyclopentenylmethyl, represents benzyl, phenethyl, naphthylmethyl, tetrahydronaphthylmethyl, furylmethyl, thienylmethyl, pyrrolylmethyl, oxazolylmethyl, isoxazolylmethyl, thiazolylmethyl or pyridylmethyl, each of which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$ or the grouping



- Z and D together represent phenoxymethyl which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, methoxy, ethoxy, n-propoxy, isopropoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy,
- Y represents a direct bond, oxygen, sulphur, carbonyl, $-CH_2-$, $-(CH_2)_2-$, $-CH=CH-$ (E or Z), $-C\equiv C-$, $-CH_2O-$, $-(CH_2)_2O-$, $-CH(CH_3)O-$, $-OCH_2-$, $-O(CH_2)_2-$, $-SCH_2-$, $-S(CH_2)_2-$, $-SCH(CH_3)-$, C_1-C_4 -alkylenedioxy, [in particular $-OCH_2O-$ or $-O(CH_2)_2O-$] or represents p-phenylene which is optionally monosubstituted by a radical from the list W¹,
- E represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$, $-CH_2CF_3$, $-CF_2CHFCF_3$, $-CH_2CF_2CHF_2$, $-CH_2CF_2CF_3$, represents cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, each of which is optionally mono- to

trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, $-\text{CH}=\text{CCl}_2$, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or by 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl or cyclohexenyl, represents phenyl which is optionally mono- or disubstituted by radicals from the list W^1 , represents furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl or pyridyl, each of which is optionally mono- or disubstituted by radicals from the list W^2 , or represents the grouping



R^{12} represents methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, cyclopropyl, cyclohexyl, cyclohexyloxy, cyclohexylmethoxy, phenyl, 2-chlorophenyl, 3-chlorophenyl, 2,6-difluorophenyl, 2,4-dichlorophenyl, 3,4-dichlorophenyl, 2-trifluoromethoxyphenyl or 4-trifluoromethoxyphenyl,

R^{13} represents hydrogen,

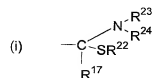
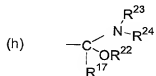
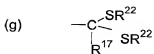
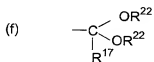
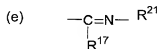
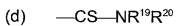
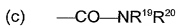
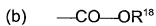
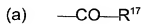
R^{14} represents methyl, ethyl or represents phenyl which is optionally monosubstituted by chlorine,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 4,

R^{15} and R^{16} independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl,

G represents cyano, represents 5,6-dihydrodioxazin-2-yl, 3-pyridyl, 3-furyl, 3-thienyl, 2-thiazolyl, 5-thiazolyl, 2-dioxolanyl, 1,3-dioxan-2-yl, 2-dithiolanyl, 1,3-dithian-2-yl or 1,3-thioxan-2-yl, each of which is

optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl and, at the attachment point, optionally by the radical R^{17} , or represents one of the groupings below:



R¹⁷ represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, -CF₃, -CHF₂, -CClF₂, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂, -CF₂CCl₃, -CH₂CF₃, C₃-C₆-alkenyl, C₃-C₆-alkenyl which is mono- to trisubstituted by fluorine or chlorine, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, -CF₃, -CHF₂, -CClF₂, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂, -CF₂CCl₃ or -CH₂CF₃, or represents phenyl which is optionally mono- or disubstituted by methylcarbonylamino, ethylcarbonylamino, methylcarbonylmethylamino and/or radicals from the list W³,

R¹⁸ represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, -CH₂CF₃, allyl, represents cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyclopropylethyl, cyclopentylethyl or cyclohexylethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, -CF₃, -CHF₂, -CClF₂, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂, -CF₂CCl₃ or -CH₂CF₃, or represents benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W³,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, -CH₂CF₃, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸,

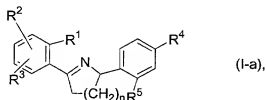
R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent methyl, ethyl, n-propyl or isopropyl,

- W¹ represents hydrogen, fluorine, chlorine, bromine, cyano, formyl, nitro, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, -CF₃, -CHF₂, -CClF₂, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂, -CF₂CCl₃, -CH₂CF₃, -CF₂CHF₂CF₃, -CH₂CF₂CHF₂, -CH₂CF₂CF₃, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl, propionyl, butyryl, isobutyryl, methoxycarbonyl, ethoxycarbonyl, n-propoxycarbonyl, isopropoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, sec-butoxycarbonyl, tert-butoxycarbonyl or S(O)₆R⁶,
- W² represents fluorine, chlorine, bromine, cyano, methyl, ethyl, n-propyl, isopropyl, trifluoromethyl, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl or trifluoromethylthio, -CH=N-OCH₃, -CH=N-OC₂H₅, -CH=N-OC₃H₇, -C(CH₃)=N-OCH₃, -C(CH₃)=N-OC₂H₅, -C(CH₃)=N-OC₃H₇, -C(C₂H₅)=N-OCH₃, -C(C₂H₅)=N-OC₂H₅ or -(C₂H₅)=N-OC₃H₇,
- W³ represents fluorine, chlorine, cyano, nitro, methyl, ethyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy, trifluoromethylthio, dimethylamino, diethylamino, -COOR²⁵ or -CONR²⁶R²⁷,
- R²⁵ represents hydrogen, methyl, ethyl, n-propyl, isopropyl, tert-butyl, -CH₂CF₃, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or -CF₃, or represents phenyl which is optionally mono- or disubstituted by radicals from the list W⁴,
- R²⁶ and R²⁷ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, -CH₂CF₃, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine or chlorine, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W⁴, represent -OR²² or -NR²²R²⁴, and

W⁶ represents fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, tert-butyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy or trifluoromethylthio.

5. (Once Amended) A compound of the formula (I-a)



in which

R¹, R², R³, R⁵ and n are each as defined in Claim 1,

R⁴ represents phenyl which is mono- or disubstituted by radicals from the list W¹, or represents one of the following groupings

(m-b) -B-O-D
(l) -Y-E,

B represents p-phenylene which is optionally monosubstituted by radicals from the list W¹,

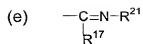
Y represents a direct bond or represents p-phenylene which is optionally mono- or disubstituted by a radical from the list W¹, and

D and E each have the very particularly preferred meanings mentioned in Claim 4

where

G is cyano or one of the groupings below

(a) -CO-R¹⁷

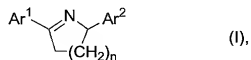


where

R^{17} and R^{21} are each as defined in Claim 1 and

W^1 is as defined in Claim 1.

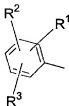
6. (Once Amended) A process for preparing a compound of formula (I)



in which

n represents 1, 2 or 3

Ar^1 represents the radical



and

Ar^2 represents the radical



in which

m represents 0, 1, 2, 3 or 4,

R¹ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)₆R⁶ or -NR⁷R⁸,

R² and R³ independently of one another each represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)₆R⁶ or -NR⁷R⁸,

R⁴ represents halogen, cyano, trialkylsilyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -S(O)₆R⁶,

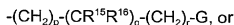
o represents 0, 1 or 2,

R⁶ represents alkyl or halogenoalkyl,

R⁷ and R⁸ independently of one another each represent hydrogen or alkyl, or together represent alkylene,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹,

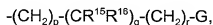
- X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or di-alkylsilylene,
- A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W²,
- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenylalkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R¹², -CO-NR¹³R¹⁴, or represents the grouping



Z and D together represent optionally, nitro-, halogen-, alkyl, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

E represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W², or represents the grouping



R¹² represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

R¹³ represents hydrogen or alkyl,

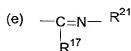
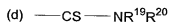
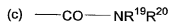
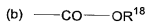
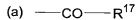
R¹⁴ represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl,

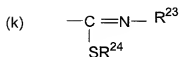
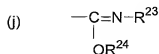
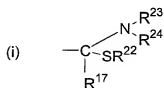
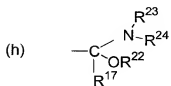
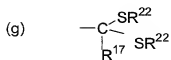
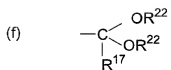
cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below





R^{17} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W^3 ,

R^{16} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted

cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W³,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkyl-alkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen,

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent alkyl,

W¹ represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio or -S(O)_oR⁶,

W² represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio or -S(O)_oR⁶ or -C(R¹⁷)=N-R²¹,

W³ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino -S(O)_oR⁶, -COOR²⁵ or -CONR²⁶R²⁷,

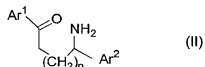
R²⁵ represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and

W⁴ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or -S(O)₆R⁶,

comprising a step selected from the group consisting of a Step A, a Step B, a Step C, a Step D and a Step E, wherein each of said Steps A-E respectively comprises the step of:

A) in said Step A cyclocondensing compounds of the formula (II)

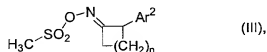


in which

Ar¹, and Ar² are each as defined above and n represents 2 or 3,

or acidic salts thereof, optionally in the presence of an acid binder, or

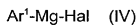
B) in said Step B reacting compounds of the formula (III)



in which

Ar² is as defined above and n represents 1, 2 or 3

with aryl Grignard compounds of the formula (IV)



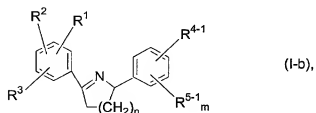
in which

Ar¹ is as defined above and

Hal represents chlorine, bromine or iodine,

in the presence of a diluent, or

C) in said Step C obtaining compounds of the formula (I-b)

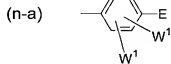


in which

R¹, R², R³, and m are each as defined above and n represents 1, 2 or 3,

R⁴⁻¹ represents A or one of the groupings below

(m) -B-Z-D



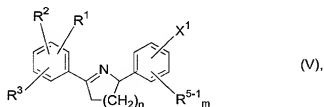
where

A, B, D, E, W¹ and Z are each as defined above and

R⁵⁻¹ represents hydrogen, fluorine, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -SR⁶ where

R⁶ is as defined above

by coupling compounds of the formula (V)

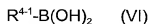


in which

R¹, R², R³, R⁵⁻¹, and m are each as defined above and n represents 1, 2 or 3 and

X¹ represents bromine, iodine or -OSO₂CF₃

with boronic acids of the formula (VI)

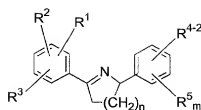


in which

R⁴⁻¹ is as defined above,

in the presence of a catalyst and in the presence of an acid binder and in the presence of a solvent, or

D) in said Step D obtaining compounds of the formula (I-c)



(I-c),

in which

R^1 , R^2 , R^3 , R^5 and m are each as defined above and n represents 1, 2 or 3,

R^{4-2} represents one of the groupings below

(m-b) $-B-Z-D^1$

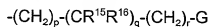
(n-b) $-Y^1-E^1$

in which

B and Z are as defined above,

Y^1 represents oxygen or sulphur and

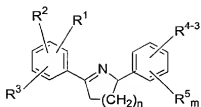
D^1 and E^1 each represent the grouping



in which

R^{15} , R^{16} , G , p , q and r are each as defined above

by condensing compounds of the formula (I-d)



(I-d),

in which

R^1 , R^2 , R^3 , R^5 , and m are each as defined above and n represents 1, 2 or 3 and

R^{4-3} represents one of the groupings below

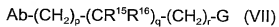
(m-c) -B-Z-H

(n-c) -Y¹-H

in which

B, Y¹ and Z are each as defined above

with compounds of the formula (VII)



in which

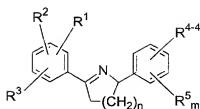
R^{15} , R^{16} , G, p, q and r are each as defined above and

Ab represents a leaving group,

or

E) in said Step E obtaining compounds of the formula (I-e)

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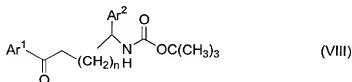
(I-e),

in which

R¹, R², R³, R⁵, and m are each as defined above and n represents 1, 2 or 3

R⁴⁻⁴ represents a grouping from the description of the compounds of the formula (I) according to the invention containing the radical G where G represents one of the above-mentioned groupings (e) to (k) by customary and known derivatization of the corresponding keto derivatives, carboxylic acid derivatives or nitriles, i.e. compounds of the formula (I) in which G represents cyano or one of the groupings (a) to (d).

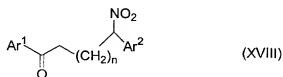
7. (Once Amended) A compound of the formula (VIII)



in which

Ar¹ and Ar² are each as defined in Claim 1 and n is 1, 2 or 3.

8. (Once Amended) A compound of the formula (XVIII)



in which

Ar^1 and Ar^2 are each as defined in Claim 1 and n is 1, 2 or 3.

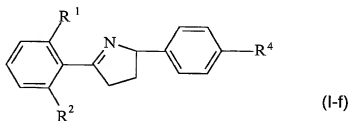
9. (Once Amended) A pesticide composition comprising at least one compound of the formula (I) according to Claim 1.

11. (Once Amended) A method for controlling pests, comprising the step of allowing an effective amount of a compound of the formula (I) according to Claim 1 to act on a member selected from the group consisting of said pests, a habitat of said pests and combinations thereof.

12. (Once Amended) A process for preparing a pesticide, comprising the step of mixing a compound of the formula (I) according to Claim 1 with a member selected from the group consisting of an extender, a surface-active agent and combinations thereof.

Please add new Claims 14-18.

14. (New) A compound of the formula (I-f)



in which

R^1 represents halogen,

R^2 represents halogen, and

R^4 represents

- a) phenyl which is mono- or disubstituted by radicals from the list of W^2 as defined in Claim 1, or
- b) heteryl which is mono or disubstituted by radicals from the list of W^2 as defined in Claim 1.

15. (New) The compound of Claim 14
wherein

R¹ is chlorine or fluorine, and

R² is fluorine or chlorine.

16. (New) The compound of Claim 14
wherein

R¹ is fluorine, and

R² is fluorine.

17. (New) The compound of any of Claims 14 through 16 wherein said
hetaryl is selected from the group consisting of furyl, thienyl, pyrrolyl, oxazolyl,
isoxazolyl, thiazolyl or pyridyl.

18. (New) The compound of any of Claims 14 through 17 wherein said
hetaryl is thienyl.

IN THE ABSTRACT:

On page 125, line 1, please amend the first line of the Abstract as follows:
--CYCLIC IMINES AS PESTICIDES--. A new Abstract page is included herewith.

REMARKS

New Claims 14-18 have been added to claim the present invention in more varying scope. Support for newly added Claims 14-18 may be found on page 33, line 21 through page 34, line 10 of the specification.

Applicants have filed a Divisional Application directed to the restricted claims. Applicants respectfully request entry of their Preliminary Amendment and that the application proceed for examination.

Respectfully submitted,

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VERSION MARKED TO SHOW CHANGES

IN THE TITLE:

On page 1, line 3, please amend the title as follows:

~~Cyclic imines~~CYCLIC IMINES AS PESTICIDES.

IN THE SPECIFICATION:

After the title and before the first line of the Specification, please insert the following:

--This is a divisional application of pending U.S. Patent Application Serial No. 09/659,041 filed September 9, 2000, which is in turn a divisional application of U.S. Patent Application Serial Number 09/297,964, filed May 11, 1999, now U.S. Patent No. 6,274,613 B1 issued August 14, 2001, which U.S. patent issued on a continued prosecution application filed under 37 C.F.R. 1.53(d)--

On page 1, between lines 3 and 4, please insert --TECHNICAL FIELD OF THE INVENTION--.

On page 1, between lines 5 and 6, please insert --BACKGROUND OF THE INVENTION--.

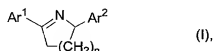
On page 1, between lines 13 and 14, please insert --DETAILED DESCRIPTION OF THE INVENTION--.

IN THE CLAIMS:

Claims 10 and 13 have been cancelled.

Claims 1 through 9, 11 and 12 have been amended as follows:

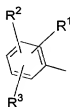
1. (Once Amended) A compound of the formula (I)



in which

n represents 1, 2 or 3

Ar¹ represents the radical



and

Ar² represents the radical



in which

m represents 0, 1, 2, 3 or 4,

R¹ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)_nR⁶ or -NR⁷R⁸,

R² and R³ independently of one another each represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)_nR⁶ or -NR⁷R⁸,

R⁴ represents halogen, cyano, trialkylsilyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -S(O)₆R⁶,

o represents 0, 1 or 2,

R⁶ represents alkyl or halogenoalkyl,

R⁷ and R⁸ independently of one another each represent hydrogen or alkyl, or together represent alkylene,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹,

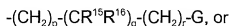
X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or di-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W²,

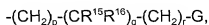
B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

Z represents oxygen or sulphur,

- D represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenylalkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R^{12} , -CO-NR^{14} , or represents the grouping



- Z and D together represent optionally, nitro-, halogen-, alkyl, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1 ,
- E represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W^1 or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W^2 , or represents the grouping



R¹² represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

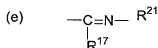
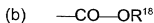
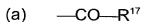
R¹³ represents hydrogen or alkyl,

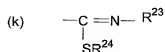
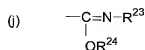
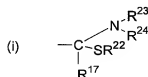
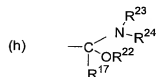
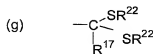
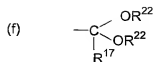
R¹⁴ represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below





R^{17} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W^3 ,

R^{18} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W^3 ,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen,

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent alkyl,

W¹ represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyl, alkoxy, alkylcarbonyl, alkoxy, pentafluorothio or -S(O)₀R⁸,

W² represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxy, pentafluorothio or -S(O)₀R⁸ or -C(R¹⁷)=N-R²¹,

W³ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino -S(O)₀R⁶, -COOR²⁵ or -CONR²⁶R²⁷,

R²⁵ represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and

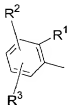
W^4 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or $-S(O)_6R^6$.

2. (Once Amended) The c[C]ompound[s] of [the formula (I) according to] Claim 1

in which

n represents [1,] 2 or 3,

Ar^1 represents the radical



Ar^2 represents the radical



m represents 0, 1, 2 or 3,

R^1 represents halogen, cyano, nitro, C_1-C_6 -alkyl, C_1-C_6 -alkoxy, C_1-C_6 -halogenoalkyl or C_1-C_6 -halogenoalkoxy, represents C_1-C_6 -alkoxy- C_1-C_6 -alkyl, $-S(O)_6R^6$ or $-NR^7R^8$,

R^2 and R^3 independently of one another each represent hydrogen, halogen, cyano, nitro, C_1-C_6 -alkyl, C_1-C_6 -alkoxy, C_1-C_6 -halogenoalkyl or C_1-C_6 -halogenoalkoxy, represent C_1-C_6 -alkoxy- C_1-C_6 -alkyl, $-S(O)_6R^8$ or $-NR^7R^8$,

R^4 represents a substituent in meta- or paraposition from the group consisting of halogen, cyano, tri- $(C_1-C_6$ -alkyl)-silyl, $-CO-NR^{10}R^{11}$, tetrahydropyranyl or one of the groupings below

- (l) $-X-A$
- (m) $-B-Z-D$
- (n) $-Y-E$,

R^5 represents hydrogen, halogen, cyano, nitro, C_1-C_{16} -alkyl, C_1-C_{16} -alkoxy, C_1-C_6 -halogenoalkyl, C_1-C_6 -halogenoalkoxy, C_1-C_6 -alkoxy- C_1-C_6 -alkoxy or $-S(O)_6R^6$,

o represents 0, 1 or 2,

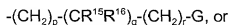
R^6 represents optionally fluorine- or chlorine-substituted C_1-C_6 -alkyl,

R^7 and R^8 independently of one another each represent hydrogen or C_1-C_6 -alkyl, [such as, for example, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl] or together represent C_2-C_5 -alkylene, [such as, for example, $-(CH_2)_2$ - or $-(CH_2)_5$ -]

R^{10} and R^{11} independently of one another each represent hydrogen, C_1-C_6 -alkyl, C_1-C_6 -halogenoalkyl or represent phenyl or phenyl- C_1-C_4 -alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W^1 ,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C_1-C_4 -alkylene, C_2-C_4 -alkenylene, C_2-C_4 -alkinylene, C_1-C_4 -alkyleneoxy, C_1-C_4 -oxyalkylene, C_1-C_4 -thioalkylene, C_1-C_4 -alkylenedioxy or di- C_1-C_4 -alkylsilylene,

- A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to tetrasubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, including 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to tetrasubstituted by radicals from the list W²,
- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₆-alkyl, represents respectively optionally halogen- or C₁-C₄-alkyl-substituted C₅-C₆-cycloalkenyl or C₅-C₆-cycloalkenyl-C₁-C₄-alkyl, represents respectively optionally nitro-, halogen-, C₁-C₆-alkyl-, C₁-C₆-alkoxy-, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenoalkoxy-substituted phenyl-C₁-C₆-alkyl, naphthyl-C₁-C₆-alkyl, tetrahydronaphthyl-C₁-C₆-alkyl or 5- or 6-membered hetaryl-C₁-C₆-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents -CO-R¹², -CO-NR¹³R¹⁴, or represents the grouping



- Z and D together represent optionally nitro-, halogen-, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-halogenoalkyl- or C₁-C₆-halogenalkoxy-substituted phenoxy-C₁-C₄-alkyl,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-

alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

- E represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, C₁-C₁₆-halogenoalkyl, C₂-C₁₆-halogenoalkenyl, optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₂-C₄-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C₃-C₈-cycloalkyl, represents optionally halogen- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W², or represents the grouping

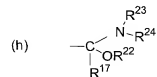
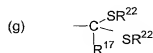
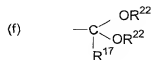
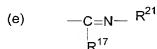
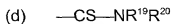
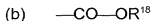
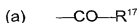


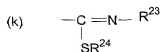
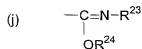
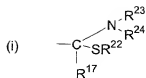
- R¹² represents C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₂-C₁₂-alkenyl, C₂-C₁₂-alkenyloxy, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl, C₃-C₈-cycloalkyloxy or C₃-C₈-cycloalkyl-C₁-C₆-alkyloxy or represents phenyl or naphthyl, each of which is optionally mono- to tetrasubstituted by nitro, halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,
- R¹³ represents hydrogen or C₁-C₁₂-alkyl,
- R¹⁴ represents C₁-C₁₂-alkyl, C₁-C₁₂-halogenoalkyl, respectively optionally halogen-, C₁-C₄-alkyl-, C₂-C₄-alkenyl-, C₁-C₄-halogenoalkyl- or C₂-C₄-halogenoalkenyl-substituted C₃-C₈-cycloalkyl or C₃-C₈-cycloalkyl-C₁-C₆-alkyl, or represents phenyl or phenyl-C₁-C₆-alkyl which is in each case optionally mono- to tetrasubstituted by halogen, C₁-C₁₂-alkyl, C₁-C₁₂-alkoxy, C₁-C₁₂-halogenoalkyl or C₁-C₁₂-halogenoalkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or C₁-C₄-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by halogen, C₁-C₄-alkyl or C₁-C₄-halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:





R^{17} represents hydrogen, $\text{C}_1\text{-C}_6\text{-alkyl}$, $\text{C}_2\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_2\text{-C}_6\text{-halogenoalkenyl}$, optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$, or represents phenyl which is optionally mono- to pentasubstituted by $\text{C}_1\text{-C}_4\text{-alkylcarbonylamino}$, $\text{C}_1\text{-C}_4\text{-alkylcarbonyl-C}_1\text{-C}_4\text{-alkylamino}$ and/or radicals from the list W^3 ,

R^{18} represents hydrogen, $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_2\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_2\text{-C}_6\text{-halogenoalkenyl}$, respectively optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$, or $\text{C}_3\text{-C}_6\text{-cycloalkyl-C}_1\text{-C}_4\text{-alkyl}$ or represents $\text{C}_6\text{-C}_{10}\text{-aryl-C}_1\text{-C}_4\text{-alkyl}$ which is optionally mono- to tetrasubstituted by radicals from the list W^3 ,

R^{19} and R^{20} independently of one another each represent hydrogen, $\text{C}_1\text{-C}_4\text{-alkyl}$, $\text{C}_3\text{-C}_6\text{-alkenyl}$, $\text{C}_1\text{-C}_4\text{-halogenoalkyl}$, $\text{C}_3\text{-C}_6\text{-halogenoalkenyl}$, $\text{C}_1\text{-C}_4\text{-alkoxy}$, respectively optionally halogen-, $\text{C}_1\text{-C}_4\text{-alkyl-}$ or $\text{C}_1\text{-C}_4\text{-halogenoalkyl-substituted C}_3\text{-C}_6\text{-cycloalkyl}$ or $\text{C}_3\text{-C}_6\text{-cycloalkyl-C}_1\text{-C}_4\text{-alkyl}$, represent phenyl or phenyl- $\text{C}_1\text{-C}_4\text{-alkyl}$, each of which is optionally mono- to pentasubstituted by radicals from the list W^3 , represent $-\text{OR}^{18}$ or $-\text{NR}^{17}\text{R}^{18}$ or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen,

R^{21} represents $-\text{OR}^{18}$, $-\text{NR}^{17}\text{R}^{18}$ or $-\text{N}(\text{R}^{17})\text{-COOR}^{18}$,

R^{22} , R^{23} and R^{24} independently of one another each represent C_1 - C_6 -alkyl,

W^1 represents hydrogen, halogen, cyano, formyl, nitro, C_1 - C_6 -alkyl, tri- C_1 - C_4 -alkylsilyl, C_1 - C_{16} -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, C_2 - C_6 -halogenoalkenyloxy, C_1 - C_6 -alkylcarbonyl, C_1 - C_{16} -alkoxycarbonyl, pentafluorothio or $-S(O)_6R^6$,

W^2 represents halogen, cyano, formyl, nitro, C_1 - C_6 -alkyl, tri- C_1 - C_4 -alkylsilyl, C_1 - C_{16} -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, C_1 - C_6 -alkylcarbonyl, C_1 - C_{16} -alkoxycarbonyl, pentafluorothio, $-S(O)_6R^6$ or $-C(R^{17})=N-R^{21}$,

W^3 represents halogen, cyano, nitro, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -halogenoalkyl, C_1 - C_4 -halogenoalkoxy, di- C_1 - C_4 -alkylamino, $-S(O)_6R^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, C_1 - C_4 -alkyl, C_1 - C_4 -halogenoalkyl, optionally halogen-, C_1 - C_4 -alkyl- or C_1 - C_4 -halogenoalkyl-substituted C_3 - C_7 -cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W^4 ,

R^{26} and R^{27} independently of one another each represent hydrogen, C_1 - C_4 -alkyl, C_3 - C_6 -alkenyl, C_1 - C_4 -halogenoalkyl, C_3 - C_6 -halogenoalkenyl, C_1 - C_4 -alkoxy, respectively optionally halogen-, C_1 - C_4 -alkyl- or C_1 - C_4 -halogenoalkyl-substituted C_3 - C_6 -cycloalkyl or C_3 - C_6 -cycloalkyl- C_1 - C_4 -alkyl or represent phenyl or phenyl- C_1 - C_4 -alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^4 , represent $-OR^{22}$ or $-NR^{23}R^{24}$, or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen, and

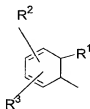
W^4 represents halogen, cyano, nitro, C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy, C_1 - C_6 -halogenoalkyl, C_1 - C_6 -halogenoalkoxy, di- C_1 - C_4 -alkylamino, C_1 - C_6 -alkoxycarbonyl, di- C_1 - C_6 -alkylaminocarbonyl or $-S(O)_6R^6$.

3. (Once Amended) The c[C]ompound[s] of [the formula (I) according to]
Claim 1

in which

n represents [1 or] 2,

Ar¹ represents the radical



Ar² represents the radical



m represents 0, 1 or 2,

R¹ represents fluorine, chlorine, bromine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represents C₁-C₆-alkoxy-C₁-C₆-alkyl or -S(O)₆R⁶,

R² and R³ independently of one another each represent hydrogen, fluorine, chlorine, bromine, iodine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represent C₁-C₆-alkoxy-C₁-C₆-alkyl or -S(O)₆R⁶,

R⁴ represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, tri-(C₁-C₄-alkyl)-silyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

- (l) -X-A
- (m) -B-Z-D
- (n) -Y-E,

R⁵ represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, nitro, C₁-C₁₆-alkyl, C₁-C₁₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₆-alkyl or C₁-C₆-alkoxy, represents C₁-C₈-alkoxy-C₁-C₈-alkoxy, or -S(O)₀R⁶,

o represents 0, 1 or 2,

R⁶ represents C₁-C₄-alkyl or respectively fluorine- or chlorine-substituted methyl or ethyl,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, C₁-C₆-alkyl, fluorine- or chlorine-substituted C₁-C₆-alkyl or represent phenyl or benzyl, each of which is optionally mono- or disubstituted by radicals from the list W¹,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkynylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or di-C₁-C₄-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to trisubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, which includes 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to trisubstituted by radicals from the list W²,

- B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- Z represents oxygen or sulphur,
- D represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₄-alkenyl, represents C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₂-C₄-alkenyl, fluorine- or chlorine-substituted C₂-C₄-alkenyl, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl, represents respectively optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted C₆-C₆-cycloalkenyl or C₆-C₆-cycloalkenyl-C₁-C₄-alkyl, represents phenyl-C₁-C₄-alkyl, naphthyl-C₁-C₄-alkyl, tetrahydronaphthyl-C₁-C₄-alkyl or 5- or 6-membered hetaryl-C₁-C₄-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, each of these radicals being optionally substituted by nitro, fluorine, chlorine, bromine, C₁-C₆-alkyl, C₁-C₆-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents -CO-R¹², -CO-NR¹³R¹⁴, or the grouping



- Z and D together represent phenoxy-C-C₃-alkyl which is optionally substituted by nitro, fluorine, chlorine, bromine, C₁-C₄-alkyl, C₁-C₄-alkoxy, or respectively fluorine, or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy,
- Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C₁-C₄-alkylene, C₂-C₄-alkenylene, C₂-C₄-alkinylene, C₁-C₄-alkyleneoxy, C₁-C₄-oxyalkylene, C₁-C₄-thioalkylene, C₁-C₄-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,
- E represents hydrogen, C₁-C₁₆-alkyl, C₂-C₁₆-alkenyl, C₂-C₆-alkinyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₄-

alkenyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, bromine, C₁-C₄-alkyl, C₂-C₄-alkenyl, fluorine- or chlorine-substituted C₂-C₄-alkenyl, phenyl, styryl or respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl, represents optionally fluorine-, chlorine-, bromine- or C₁-C₄-alkyl-substituted C₅-C₈-cycloalkenyl, represents phenyl which is optionally mono- to trisubstituted by radicals from the list W¹ or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- or disubstituted by radicals from the list W², or represents the grouping



R¹² represents C₁-C₆-alkyl, C₁-C₆-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkenyloxy, represents C₃-C₆-cycloalkyl, C₃-C₆-cycloalkyloxy or C₃-C₆-cycloalkyl-C₁-C₂-alkyloxy, each of which is optionally substituted by fluorine, chlorine, C₁-C₃-alkyl, or respectively fluorine- or chlorine-substituted C₁-C₂-alkyl or C₂-C₃-alkenyl, or represents phenyl which is optionally mono- or disubstituted by fluorine, chlorine, bromine, iodine, C₁-C₄-alkyl, C₁-C₄-alkoxy or respectively fluorine- or chlorine-substituted, C₁-C₃-alkyl or C₁-C₄-alkoxy,

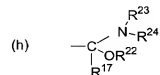
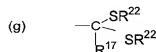
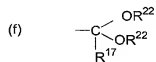
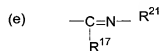
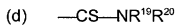
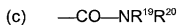
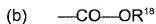
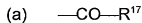
R¹³ represents hydrogen or C₁-C₄-alkyl,

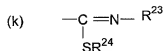
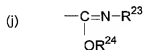
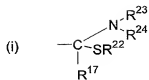
R¹⁴ represents C₁-C₄-alkyl, or represents phenyl or benzyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, bromine, C₁-C₄-alkyl or respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or C₁-C₄-alkyl,

- G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:





R¹⁷ represents hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₂-C₆-alkenyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl which is optionally mono- to trisubstituted by C₁-C₄-alkylcarbonylamino, C₁-C₄-alkylcarbonyl-C₁-C₄-alkylamino and/or radicals from the list W³,

R¹⁸ represents hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represents C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl-C₁-C₄-alkyl or naphthyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W³,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represent C₁-C₄-alkoxy, represent C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent -(CH₂)₆-, -(CH₂)₆- or -(CH₂)₂-O-(CH₂)₂-.

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent C₁-C₄-alkyl,

W¹ represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, formyl, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxycarbonyl or -S(O)₀R⁶,

W² represents fluorine, chlorine, bromine, cyano, formyl, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents C₁-C₄-alkylcarbonyl, C₁-C₄-alkoxycarbonyl or -S(O)₀R⁶ or -C(R¹⁷)=N-R²¹,

W³ represents fluorine, chlorine, bromine, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, represents di-C₁-C₄-alkylamino, -S(O)₀R⁶, -COOR²⁵ or -CONR²⁶R²⁷,

R²⁵ represents hydrogen, C₁-C₄-alkyl, fluorine- or chlorine-substituted C₁-C₄-alkyl, represents C₃-C₆-cycloalkyl which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represents phenyl which is optionally mono- to trisubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, C₁-C₄-alkyl, C₃-C₆-alkenyl, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₃-C₆-alkenyl, represent C₁-C₄-alkoxy, represent C₃-C₆-cycloalkyl or C₃-C₆-cycloalkyl-C₁-C₄-alkyl, each of which is optionally substituted by fluorine, chlorine, C₁-C₄-alkyl or fluorine- or chlorine-substituted C₁-C₄-alkyl, or represent phenyl or phenyl-C₁-C₄-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent -(CH₂)₅-, -(CH₂)₆- or -(CH₂)₂-O-(CH₂)₂-, and

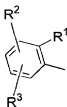
W⁴ represents fluorine, chlorine, bromine, cyano, nitro, C₁-C₄-alkyl, C₁-C₄-alkoxy, respectively fluorine- or chlorine-substituted C₁-C₄-alkyl or C₁-C₄-alkoxy, di-C₁-C₄-alkylamino, C₁-C₄-alkoxycarbonyl, di-C₁-C₆-alkylaminocarbonyl or -S(O)₀R⁶.

4. (Once Amended) The c[C]ompound[s] of [the formula (I) according to Claim 1

in which

n represents [1 or] 2,

Ar¹ represents the radical



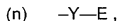
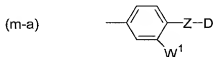
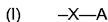
Ar² represents the radical



R¹ represents fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, -propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

R² and R³ independently of one another each represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

R⁴ represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, -CO-NR¹⁰R¹¹, tetrahydropyranlyl or one of the groupings below



R⁵ represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, trifluoromethyl, difluoromethoxy, trifluoromethoxy or trifluoromethylthio,

o represents 0 or 2,

R⁶ represents methyl, ethyl, n-propyl, isopropyl, difluoromethyl or trifluoromethyl,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl or represent phenyl or benzyl, each of which is optionally monosubstituted by a radical from the list W¹,

X represents a direct bond, oxygen, sulphur, carbonyl, -CH₂-, -(CH₂)₂-, -CH=CH- (E or Z), -C C-, -CH₂O-, -(CH₂)₂O-, -CH(CH₃)O-, -OCH₂-, -O(CH₂)₂-, -SCH₂-, -S(CH₂)₂-, -SCH(CH₃)-, C₁-C₄-alkylenedioxy, [in particular -OCH₂O-, -O(CH₂)₂O- or -OCH(CH₃)O-]

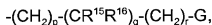
A represents phenyl which is optionally mono- or disubstituted by radicals from the list W¹ or represents furyl, benzofuryl, thienyl, benzothieryl, oxazolyl, benzoxazolyl, thiazolyl, benzthiazolyl, pyrrolyl, pyridyl, pyrimidyl, 1,3,5-triazinyl, quinolinyl, isoquinolinyl, indolyl, purinyl, benzodioxolyl, indanyl, benzodioxanyl or chromanyl, each of which is optionally mono- or disubstituted by radicals from the list W²,

- Z represents oxygen or sulphur,
- D represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, $-\text{CF}_3$, $-\text{CHF}_2$, $-\text{CClF}_2$, $-\text{CF}_2\text{CHFCl}$, $-\text{CF}_2\text{CH}_2\text{F}$, $-\text{CF}_2\text{CHF}_2$, $-\text{CF}_2\text{CCl}_3$, $-\text{CH}_2\text{CF}_3$, $-\text{CF}_2\text{CHFCF}_3$, $-\text{CH}_2\text{CF}_2\text{CHF}_2$, $-\text{CH}_2\text{CF}_2\text{CF}_3$, represents cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, $-\text{CH}=\text{CCl}_2$, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl, cyclohexenyl, cyclohexenylmethyl or cyclopentenylmethyl, represents benzyl, phenethyl, naphthylmethyl, tetrahydronaphthylmethyl, furylmethyl, thienylmethyl, pyrrolylmethyl, oxazolylmethyl, isoxazolylmethyl, thiazolylmethyl or pyridylmethyl, each of which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy, represents $-\text{CO}-\text{R}^{12}$, $-\text{CO}-\text{NR}^{13}\text{R}^{14}$ or the grouping



- Z and D together represent phenoxyethyl which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, methoxy, ethoxy, n-propoxy, isopropoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy,

- Y represents a direct bond, oxygen, sulphur, carbonyl, $-\text{CH}_2-$, $-(\text{CH}_2)_2-$, $-\text{CH}=\text{CH}-$ (E or Z), $-\text{C}-$, $-\text{CH}_2\text{O}-$, $-(\text{CH}_2)_2\text{O}-$, $-\text{CH}(\text{CH}_3)\text{O}-$, $-\text{OCH}_2-$, $-\text{O}(\text{CH}_2)_2-$, $-\text{SCH}_2-$, $-\text{S}(\text{CH}_2)_2-$, $-\text{SCH}(\text{CH}_3)-$, C_1-C_4 -alkylenedioxy, [in particular $-\text{OCH}_2\text{O}-$ or $-\text{O}(\text{CH}_2)_2\text{O}-$] or represents p-phenylene which is optionally monosubstituted by a radical from the list W^1 ,
- E represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, $-\text{CF}_3$, $-\text{CHF}_2$, $-\text{CClF}_2$, $-\text{CF}_2\text{CHFCl}$, $-\text{CF}_2\text{CH}_2\text{F}$, $-\text{CF}_2\text{CHF}_2$, $-\text{CF}_2\text{CCl}_3$, $-\text{CH}_2\text{CF}_3$, $-\text{CF}_2\text{CHF}_2\text{CF}_3$, $-\text{CH}_2\text{CF}_2\text{CHF}_2$, $-\text{CH}_2\text{CF}_2\text{CF}_3$, represents cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, $-\text{CH}=\text{CCl}_2$, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or by 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl or cyclohexenyl, represents phenyl which is optionally mono- or disubstituted by radicals from the list W^1 , represents furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl or pyridyl, each of which is optionally mono- or disubstituted by radicals from the list W^2 , or represents the grouping



- R^{12} represents methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, cyclopropyl, cyclohexyl, cyclohexyloxy, cyclohexylmethyloxy, phenyl, 2-chlorophenyl, 3-chlorophenyl, 2,6-difluorophenyl, 2,4-dichlorophenyl, 3,4-dichlorophenyl, 2-trifluoromethoxyphenyl or 4-trifluoromethoxyphenyl,

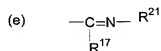
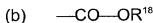
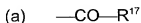
R¹³ represents hydrogen,

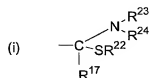
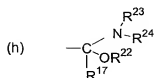
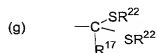
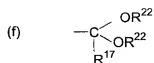
R¹⁴ represents methyl, ethyl or represents phenyl which is optionally monosubstituted by chlorine,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 4,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl,

G represents cyano, represents 5,6-dihydrodioxazin-2-yl, 3-pyridyl, 3-furyl, 3-thienyl, 2-thiazolyl, 5-thiazolyl, 2-dioxolanyl, 1,3-dioxan-2-yl, 2-dithiolanyl, 1,3-dithian-2-yl or 1,3-thioxan-2-yl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below:





R^{17} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, $-\text{CF}_3$, $-\text{CHF}_2$, $-\text{CClF}_2$, $-\text{CF}_2\text{CHFCl}$, $-\text{CF}_2\text{CH}_2\text{F}$, $-\text{CF}_2\text{CHF}_2$, $-\text{CF}_2\text{CCl}_3$, $-\text{CH}_2\text{CF}_3$, C_3 - C_6 -alkenyl, C_3 - C_6 -alkenyl which is mono- to trisubstituted by fluorine or chlorine, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, $-\text{CF}_3$, $-\text{CHF}_2$, $-\text{CClF}_2$, $-\text{CF}_2\text{CHFCl}$, $-\text{CF}_2\text{CH}_2\text{F}$, $-\text{CF}_2\text{CHF}_2$, $-\text{CF}_2\text{CCl}_3$ or $-\text{CH}_2\text{CF}_3$, or represents phenyl which is optionally mono- or disubstituted by methylcarbonylamino, ethylcarbonylamino, methylcarbonylmethylamino and/or radicals from the list W^3 ,

R^{18} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, $-\text{CH}_2\text{CF}_3$, allyl, represents cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyclopropylethyl, cyclopentylethyl or cyclohexylethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, $-\text{CF}_3$, $-\text{CHF}_2$, $-\text{CClF}_2$, $-\text{CF}_2\text{CHFCl}$, $-\text{CF}_2\text{CH}_2\text{F}$, $-\text{CF}_2\text{CHF}_2$, $-\text{CF}_2\text{CCl}_3$ or $-\text{CH}_2\text{CF}_3$, or represents benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W^3 ,

R¹⁹ and R²⁰ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, -CH₂CF₃, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸,

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸,

R²², R²³ and R²⁴ independently of one another each represent methyl, ethyl, n-propyl or isopropyl,

W¹ represents hydrogen, fluorine, chlorine, bromine, cyano, formyl, nitro, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, -CF₃, -CHF₂, -CClF₂, -CF₂CHFCl, -CF₂CH₂F, -CF₂CHF₂, -CF₂CCl₃, -CH₂CF₃, -CF₂CHF₂CF₃, -CH₂CF₂CHF₂, -CH₂CF₂CF₃, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl, propionyl, butyryl, isobutyryl, methoxycarbonyl, ethoxycarbonyl, n-propoxycarbonyl, isopropoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, sec-butoxycarbonyl, tert-butoxycarbonyl or S(O)₆R⁶,

W² represents fluorine, chlorine, bromine, cyano, methyl, ethyl, n-propyl, isopropyl, trifluoromethyl, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl or trifluoromethylthio, -CH=N-OCH₃, -CH=N-OC₂H₅, -CH=N-OC₃H₇, -C(CH₃)=N-OCH₃, -C(CH₃)=N-OC₂H₅, -C(CH₃)=N-OC₃H₇, -C(C₂H₅)=N-OCH₃, -C(C₂H₅)=N-OC₂H₅ or -C(C₂H₅)=N-OC₃H₇,

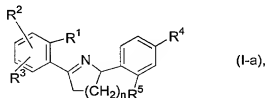
W³ represents fluorine, chlorine, cyano, nitro, methyl, ethyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy, trifluoromethylthio, dimethylamino, diethylamino, -COOR²⁵ or -CONR²⁶R²⁷,

R²⁶ represents hydrogen, methyl, ethyl, n-propyl, isopropyl, tert-butyl, -CH₂CF₃, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or -CF₃, or represents phenyl which is optionally mono- or disubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, -CH₂CF₃, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine or chlorine, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴, and

W⁴ represents fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, tert-butyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy or trifluoromethylthio.

5. (Once Amended) A c[C]ompound[s] of the formula (I-a)



in which

R¹, R², R³, R⁵ and n are each as defined in Claim 1,

R⁴ represents phenyl which is mono- or disubstituted by radicals from the list W¹, or represents one of the following groupings

(m-b) -B-O-D

(l) -Y-E,

B represents p-phenylene which is optionally monosubstituted by radicals from the list W¹,

Y represents a direct bond or represents p-phenylene which is optionally mono- or disubstituted by a radical from the list W¹, and

D and E each have the very particularly preferred meanings mentioned in Claim 4 where

G is cyano or one of the groupings below

(a) -CO-R¹⁷

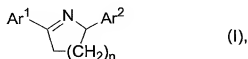
(e) $\begin{array}{c} \text{---C=N-R}^{21} \\ | \\ \text{R}^{17} \end{array}$

where

R¹⁷ and R²¹ are each as defined in Claim 1 and

W¹ is as defined in Claim 1.

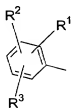
6. (Once Amended) A p[P]rocess for preparing a compound[s] of [the] formula (I) [according to Claim 1,]



in which

n represents 1, 2 or 3

Ar¹ represents the radical



and

Ar² represents the radical



in which

m represents 0, 1, 2, 3 or 4.

R¹ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)₂R⁶ or -NR⁷R⁸.

R² and R³ independently of one another each represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, -S(O)₂R⁶ or -NR⁷R⁸.

R⁴ represents halogen, cyano, trialkylsilyl, -CO-NR¹⁰R¹¹, tetrahydropyranyl or one of the groupings below

(I) -X-A

(m) -B-Z-D

(n) -Y-E,

R⁵ represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or -S(O)₀R⁶.

o represents 0, 1 or 2,

R⁶ represents alkyl or halogenoalkyl,

R⁷ and R⁸ independently of one another each represent hydrogen or alkyl, or together represent alkylene,

R¹⁰ and R¹¹ independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹,

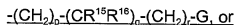
X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkinylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or di-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W¹, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W²,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W¹,

Z represents oxygen or sulphur,

D represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenylalkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$, or represents the grouping

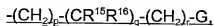


Z and D together represent optionally, nitro-, halogen-, alkyl, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkynylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1 ,

E represents hydrogen, alkyl, alkenyl, alkynyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W^1 or represents 5-

or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W², or represents the grouping



R¹² represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

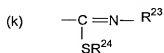
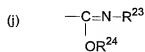
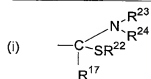
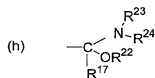
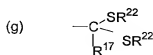
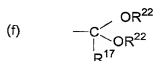
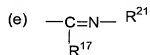
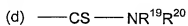
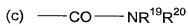
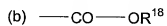
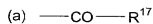
R¹³ represents hydrogen or alkyl,

R¹⁴ represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R¹⁵ and R¹⁶ independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R¹⁷, or represents one of the groupings below



R¹⁷ represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W³.

R¹⁸ represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W³.

R¹⁹ and R²⁰ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkyl-alkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W³, represent -OR¹⁸ or -NR¹⁷R¹⁸ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen.

R²¹ represents -OR¹⁸, -NR¹⁷R¹⁸ or -N(R¹⁷)-COOR¹⁸.

R²², R²³ and R²⁴ independently of one another each represent alkyl,

W¹ represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyl, alkoxy, alkylcarbonyl, alkoxy, carbonyl, pentafluorothio or -S(O)₆R⁶.

W² represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxy, carbonyl, pentafluorothio or -S(O)₆R⁶ or -C(R¹⁷)=N-R²¹.

W³ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino -S(O)₂R⁶, -COOR²⁵ or -CONR²⁶R²⁷,

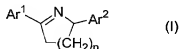
R²⁵ represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W⁴,

R²⁶ and R²⁷ independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W⁴, represent -OR²² or -NR²³R²⁴ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and

W⁴ represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or -S(O)₂R⁶,

comprising a step selected from the group consisting of a Step A, a Step B, a Step C, a Step D and a Step E, wherein each of said Steps A-E respectively comprises the step of: [characterized in that]

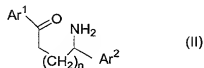
A) [compounds of the formula (I)]



in which

Ar¹, Ar² and n are each as defined in Claim 1

are obtained by] in said Step A cyclocondensing compounds of the formula (II)

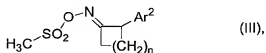


in which

Ar¹, and Ar² [and n] are each as defined above and n represents 2 or 3,

or [preferably] acidic salts thereof, optionally in the presence of an acid binder, or

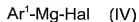
B) in said Step B reacting compounds of the formula (III)



in which

Ar² is [and n are each] as defined above and n represents 1, 2 or 3

[are reacted] with aryl Grignard compounds of the formula (IV)



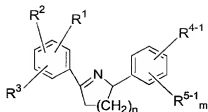
in which

Ar¹ is as defined above and

Hal represents chlorine, bromine or iodine,

in the presence of a diluent, or

C) in said Step C obtaining compounds of the formula (I-b)



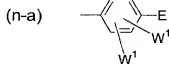
(I-b),

in which

R^1 , R^2 , R^3 , $[n]$ and m are each as defined above and n represents 1, 2 or 3,

R^{4-1} represents A or one of the groupings below

(m) -B-Z-D



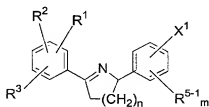
where

A, B, D, E, W^1 and Z are each as defined above and

R^{5-1} represents hydrogen, fluorine, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or $-SR^6$ where

R^6 is as defined above

[are obtained] by coupling compounds of the formula (V)



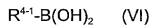
(V),

in which

R^1 , R^2 , R^3 , R^{5-1} , $[n]$ and m are each as defined above and n represents 1, 2 or 3 and

X^1 represents bromine, iodine or $-\text{OSO}_2\text{CF}_3$

with boronic acids of the formula (VI)

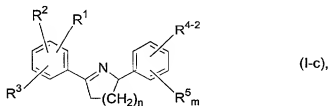


in which

R^{4-1} is as defined above,

in the presence of a catalyst and in the presence of an acid binder and in the presence of a solvent, or

D) in said Step D obtaining compounds of the formula (I-c)



in which

R^1 , R^2 , R^3 , R^5 , $[n]$ and m are each as defined above and n represents 1, 2 or 3,

R^{4-2} represents one of the groupings below

(m-b) -B-Z-D¹

(n-b) -Y¹-E¹

in which

B and Z are as defined above,

Y¹ represents oxygen or sulphur and

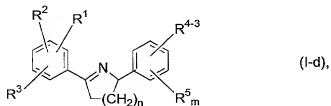
D¹ and E¹ each represent the grouping



in which

R¹⁶, R¹⁶, G, p, q and r are each as defined above

[are obtained] by condensing compounds of the formula (I-d)



in which

R¹, R², R³, R⁵, [n] and m are each as defined above and n represents 1, 2 or 3 and

R⁴⁻³ represents one of the groupings below

(m-c) -B-Z-H

(n-c) -Y¹-H

in which

B, Y¹ and Z are each as defined above

with compounds of the formula (VII)



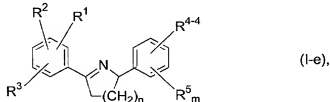
in which

R¹⁵, R¹⁶, G, p, q and r are each as defined above and

Ab represents a leaving group,

or

E) in said Step E obtaining compounds of the formula (I-e)

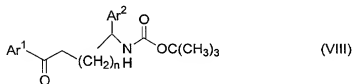


in which

R¹, R², R³, R⁵, [n] and m are each as defined above and n represents 1, 2 or 3

R⁴⁻⁴ represents a grouping from the description of the compounds of the formula (I) according to the invention containing the radical G where G represents one of the above-mentioned groupings (e) to (k) [are obtained] by customary and known derivatization of the corresponding keto derivatives, carboxylic acid derivatives or nitriles, i.e. compounds of the formula (I) in which G represents cyano or one of the groupings (a) to (d).

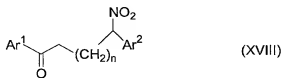
7. (Once Amended) A c[C]ompound[s] of the formula (VIII)



in which

Ar¹[.] and Ar² [and n] are each as defined in Claim 1 and n is 1, 2 or 3.

8. (Once Amended) A c[C]ompound[s] of the formula (XVIII)



in which

Ar¹[.] and Ar² [and n] are each as defined in Claim 1 and n is 1, 2 or 3.

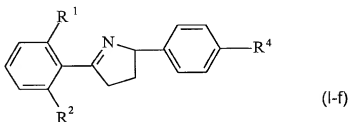
9. (Once Amended) [Pesticides, characterized by a content of] A pesticide composition comprising at least one compound of the formula (I) according to Claim 1.

11. (Once Amended) A m[M]ethod for controlling pests, [characterized in that] comprising the step of allowing an effective amount of a compound[s] of the formula (I) according to Claim 1 [are allowed] to act on a member selected from the group consisting of said pests, [and/or their] a habitat of said pests and combinations thereof.

12. (Once Amended) A p[P]rocess for preparing a pesticide[s], [characterized in that] comprising the step of mixing a compound[s] of the formula (I) according to Claim 1 [are mixed] with a member selected from the group consisting of an extender[s and/or], a surface-active agent[s] and combinations thereof.

New Claims 14-18 have been added as follows:

14. (New) A compound of the formula (I-f)



in which

R¹ represents halogen,

R² represents halogen, and

R⁴ represents

- c) phenyl which is mono- or disubstituted by radicals from the list of W² as defined in Claim 1, or
- d) heteryl which is mono or disubstituted by radicals from the list of W² as defined in Claim 1.

15. (New) The compound of Claim 14

wherein

R¹ is chlorine or fluorine, and

R² is fluorine or chlorine.

16. (New) The compound of Claim 14

wherein

R¹ is fluorine, and

R² is fluorine.

17. (New) The compound of any of Claims 14 through 16 wherein said heteryl is selected from the group consisting of furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl or pyridyl.

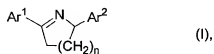
18. (New) The compound of any of Claims 14 through 17 wherein said hetaryl is thienyl.

IN THE ABSTRACT:

CYCLIC IMINES AS PESTICIDES

ABSTRACT OF THE DISCLOSURE

The invention relates to novel cyclic imines of the formula (I)



in which

Ar¹ and Ar² each represent substituted phenyl and

n represents 1, 2, or 3,

to a plurality of processes for their preparation and to their use as pesticides.